

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (previously presented) In a wireless communication system, a method comprising the steps of:
 - receiving a burst comprising payload and a synchronization field, wherein the synchronization field comprises a synchronization pattern;
 - comparing the received synchronization pattern against a first known synchronization pattern and a second known synchronization pattern;
 - if the received synchronization pattern is of the first known synchronization pattern, processing the payload as voice; and
 - if the received synchronization pattern is of the second known synchronization pattern, processing the payload as non-voice.
2. (original) The method of claim 1 wherein the first known synchronization pattern and the second known synchronization pattern are complements of each other.
3. (cancelled)
4. (cancelled)

5. (previously presented) In a wireless communication system, a method comprising the steps of:
 - receiving a synchronization field, wherein the synchronization field comprises a synchronization pattern;
 - comparing the received synchronization pattern against a first known synchronization pattern and a second known synchronization pattern;
 - if the received synchronization pattern is of the first known synchronization pattern, selecting a first operating mode; and
 - if the received synchronization pattern is of the second known synchronization pattern, selecting a second operating mode,wherein the first operating mode is processing a full-length burst, and the second operating mode is processing a shortened-length burst.
6. (cancelled)
7. (original) The method of claim 5 wherein the first and second known synchronization patterns have a common length.
8. (cancelled)
9. (previously presented) The method of claim 5 wherein the shortened-length burst carries reverse channel signaling.
10. (cancelled)
11. (cancelled)

12. (previously presented) The method of claim 5 wherein the first operating mode further comprises responding with an outbound burst and the second operating mode further comprises responding with an inbound burst.
13. (previously presented) In a wireless communication system, a method comprising the steps of:
- receiving a burst comprising payload and a synchronization field, wherein the synchronization field comprises a synchronization pattern;
 - comparing the received synchronization pattern against a first known synchronization pattern and a second known synchronization pattern;
 - if the received synchronization pattern is of the first known synchronization pattern, identifying the burst as being transmitted inbound; and
 - if the received synchronization pattern is of the second known synchronization pattern, identifying the burst as being transmitted outbound.
14. (previously presented) The method of claim 13 wherein responding to the identified inbound burst with an outbound burst and responding to the identified outbound burst with an inbound burst.
15. (previously presented) The method of claim 13 wherein the first known synchronization pattern and the second known synchronization pattern are uncorrelated.
16. (cancelled)
17. (cancelled)
18. (cancelled)

19. (cancelled)
20. (cancelled)
21. (cancelled)
22. (previously presented) The method of claim 1 wherein the wireless communication system is a TDMA system.
23. (previously presented) The method of claim 5 wherein the wireless communication system is a TDMA system.
24. (previously presented) The method of claim 13 wherein the wireless communication system is a TDMA system.